

INTERNATIONAL SEARCH REPORT

International Application No

/EP2004/004175

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F01D25/16 F16C32/06 F15B20/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01D F16C F15B F02C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/009361 A1 (REICHERT ARND ET AL) 24 January 2002 (2002-01-24) paragraph '0043! - paragraph '0045! paragraph '0048! - paragraph '0049! abstract; figures 1-5 ---	1,2,5-9, 11,12
X	DE 23 57 881 A (MANNESMANN MEER AG) 22 May 1975 (1975-05-22) page 2, line 7 -page 4, line 3 figures ---	1,2,5-9, 11
A		3,4,10
X	US 4 915 510 A (ARVIDSSON THOMAS) 10 April 1990 (1990-04-10) column 4, line 56 -column 5, line 40 abstract; figures ---	1-3,8-10
A		5,6,11
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

21 June 2004

Date of mailing of the international search report

29/06/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 39 26 556 A (RENK AG) 14 February 1991 (1991-02-14) column 1, line 35 -column 2, line 31 abstract; claims 1-4; figures -----	1-3, 5-9
A	US 4 544 285 A (GRAHAM II RICHARD W ET AL) 1 October 1985 (1985-10-01) column 1, line 28 - line 68 column 2, line 58 -column 3, line 44 abstract; figures -----	1, 4-8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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